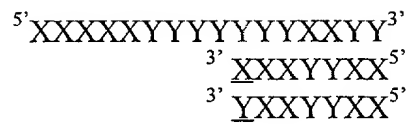
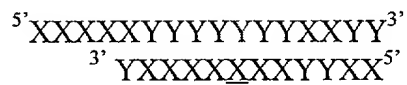


Template
 Primer1
 Primer2
 mixed dNTP

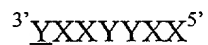


↓ (primer extension)

Primer1's products:



Primer2, no products:



↓ (separation)

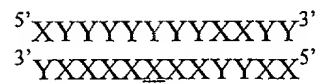


Fig. 1

Template
 Primer1
 Primer2
 mixed dNTP (including labeled base X)

5'XXXXXXXXXXXXXXXXXXXX3'
 3'XXXXXXXX5'
 3'YXXXXXX5'

↓↓ (primer extension)

Primer1's products:

5'XXXXXXXXXXXXXXXXXXXX3'
 3'YYXXXXXXXXXXXX5'

Primer2, no extension products:

3'YXXXXXX5'

mixed dNTP (including labeled base X)

↓↓ (products separation)

5'XXXXXXXXXXXXXXXXXXXX3'
 3'YYXXXXXXXXXXXX5'

Fig. 2

P	C	T
●		●

Fig 3.